

Amendments to the Specification:

Please replace paragraph [0046] with the following paragraph:

[0046] In the above-described embodiments, concave and convex spherical faces adjacent to one another and cooperating with each other are described. In each case the intervening core has the convex faces while the top plate and the base plate have associated concave spherical faces. According to a further embodiment of the present invention, the face shapes can be reversed in each case. In other words, the intervening core can be constructed as a biconcave lenticular body or as a plan-concave lenticular body and the associated contact face of base plate and top plate is then constructed as spherically convex corresponding to the concave spherical face. For example, FIG. 12 illustrates a further embodiment of the intervertebral disk prosthesis similar to the second embodiment shown in FIGS. 3 and 4, except the intervening core is constructed as a biconcave lenticular body, and the corresponding faces of the base plate and top plate are constructed as convex corresponding to the concave surfaces of the core.